

In re Patent Application of:
AMMAR ET AL.
Serial No. 10/647,681
Filing Date: August 25, 2003

In the Claims:

Claims 1-20 (PREVIOUSLY CANCELLED)

21. (CURRENTLY AMENDED) A method for transferring radio frequency (RF) signals between first and second cooperating circuit boards, which comprises comprising the steps of:

positioning a housing member against the fist printed circuit board, said housing member including a clip receiving slot and a conductive clip member received within the clip receiving slot, the clip member including only opposing free ends that extend beyond the housing member which can make electrical contact having a connector with opposing ends against the first printed circuit board such that one free end of the conneector clip member engages a circuit on the first printed circuit board;

biasing another the other free end of the conneector clip member into connection with a circuit of a second printed circuit board; and

transferring RF signals between the boards via the conneector conductive clip member.

22. (CURRENTLY AMENDED) A method according to claim 21, and further comprising the step of transferring ground signals using connectors conductive clip members positioned on either side of the conneector conductive clip member that transfers RF signals.

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23. (CURRENTLY AMENDED) A method according to claim 21, and further comprising the step of soldering the end of the ~~connector~~ conductive clip member engaging the first printed circuit board.

24. (ORIGINAL) A method according to claim 21, wherein the connector is solderless on at least one end.

25. (CURRENTLY AMENDED) A method according to claim 21, and further comprising a plurality of conductive clip members, and further comprising the step of transferring DC signals using ~~connectors additional to the connector that transfers RF signals~~.

26. (CURRENTLY AMENDED) A method according to claim 21, and further comprising the step of positioning a plurality of housing members adjacent to each other and transferring ground signals using ~~connectors~~ conductive clip members positioned on either side of the ~~connector~~ conductive clip member that transfers RF signals.

27. (ORIGINAL) A method according to claim 21, and further comprising the step of transferring RF signals at no less than 4 GHz.

28. (CURRENTLY AMENDED) A method according to claim 21, wherein the conductive clip member ~~connector~~ comprises one or more surface mount pressure contacts.

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29. (CURRENTLY AMENDED) A method according to claim 21, and further comprising the step of mixing the RF signals with a carrier frequency for passing through a conductive clip member.

30. (CURRENTLY AMENDED) A method of transferring RF signals between first and second cooperating printed circuit boards comprising:

providing a conductive clip member that has only two opposing ends for making electrical contact connector between two boards, without use of connecting wires between the boards such that the conductive clip member ends engage respective boards; and

transferring RF signals between the boards via the connector conductive clip member.

31. (ORIGINAL) A method according to claim 30, and further comprising the step of transferring the RF signals at no less than 4 GHz.

32. (CURRENTLY AMENDED) A method according to claim 30, wherein the conductive clip member connector is solderless on at least one end.

33. (CURRENTLY AMENDED) A method according to claim 30, wherein the conductive clip member connector comprises one or more surface mount contacts.

34. (ORIGINAL) A method according to claim 30, and further comprising the step of mixing the RF signals with a

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carrier frequency and/or other RF processing signals that add functionality.

35. (CURRENTLY AMENDED) A method according to claim 30, and further comprising the step of transferring ground signals using conductive clip members ~~connectors~~ positioned on either side of the conductive clip member ~~connector~~ that transfers RF signals.

36. (CURRENTLY AMENDED) A connector system for transferring RF signals between first and second cooperating printed circuit boards, comprising:

a housing member having a clip receiving slot and a conductive clip member received with the clip receiving slot, wherein the conductive clip member includes only opposing free ends that extend beyond the housing member which can make electrical contact ~~connector with opposing ends that is positioned against the first printed circuit board such that wherein one free end of the connector conductive clip member engages a circuit on the first printed circuit board and another the other free end of the connector conductive clip member is biased into connection with a circuit of the second printed circuit board wherein RF signals are transferred via the connector conductive clip member between the first and second printed circuit boards.~~

37. (ORIGINAL) A connector system according to claim 36, wherein said RF signals are transferred at frequencies no less than 4 GHz with very low losses.

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38. (CURRENTLY AMENDED) A connector system according to claim 36, wherein the ~~connector~~ conductive clip member is solderless on at least one end.

39. (CURRENTLY AMENDED) A connector system according to claim 36, wherein the conductive clip member comprises one or more surface mount pressure contacts.

40. (ORIGINAL) A connector system according to claim 36, wherein RF signals are mixed with a carrier frequency and/or RF processing signals.